

SCHOOL OF CIVIL ENGINEERING



# JOINT HIGHWAY RESEARCH PROJECT

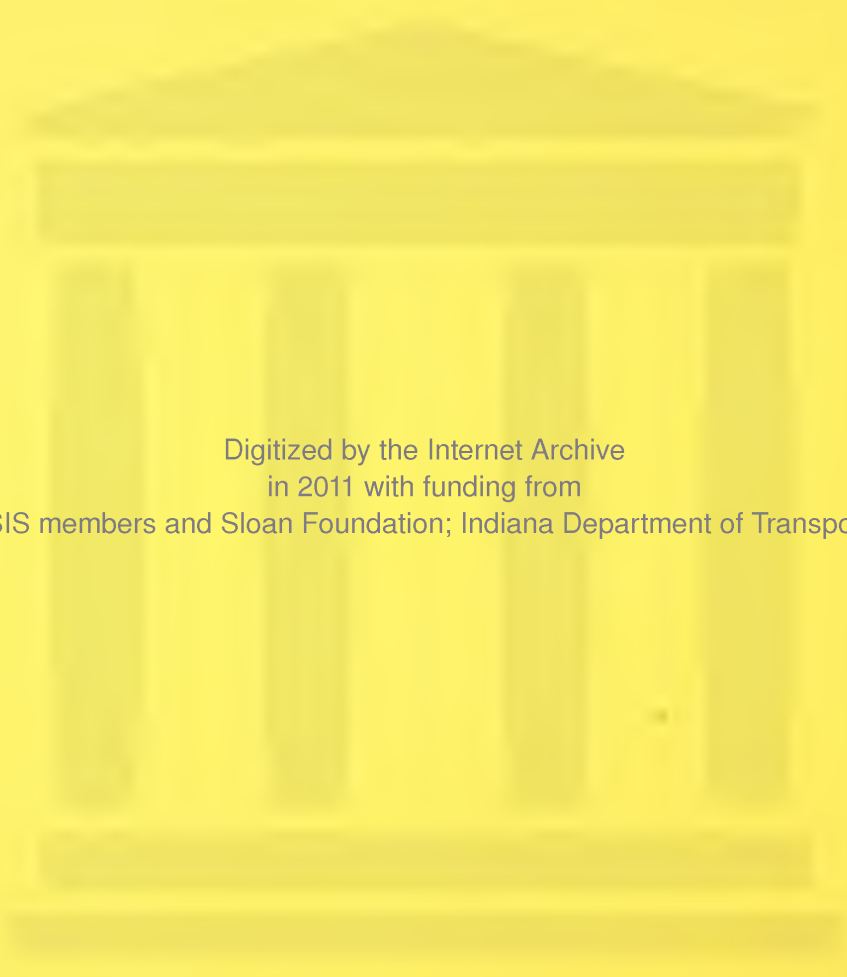
JHRP-79-2

TRAFFIC SPEED REPORT  
NO. 107

J. R. Mekemson  
G. K. Stafford



PURDUE UNIVERSITY  
INDIANA STATE HIGHWAY COMMISSION



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TRAFFIC SPEED REPORT NO. 107

TO: Harold L. Michael, Director  
Joint Highway Research Project

FROM: James Mekemson  
Graduate Research Assistant  
Joint Highway Research Project

February 8, 1979

File: 8-3-3

Project: C-36-10C

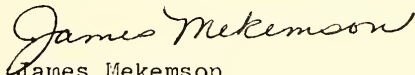
The attached Progress Report No. 107 on Traffic Speeds is the report of the October - December 1978 quarterly study of free-flowing automobile and truck speeds on rural, tangent, level sections of Interstate, 4-lane and 2-lane and on urban interstate highways in Indiana. The report has been prepared by Mr. J. R. Mekemson, a Graduate Instructor in Research on our staff, under the direction of Professor H. L. Michael. The data collection was directed by Mr. G. K. Stafford of our staff.

The results indicate that the average speed of passenger cars was 1.2 mph greater while that of heavy trucks was 0.5 mph greater than the respective average speeds for the preceding quarterly period.

The October - December quarterly period speeds are in general greater than the July - August quarterly period speeds. However, the average speed of passenger cars was 0.5 mph less while that of heavy trucks was 0.4 mph less than the respective average speeds of a year ago.

Copies of the report will be sent to the Federal Highway Administration and the ISHC for review, comment and acceptance as partial fulfillment of the objectives of this HPR Part I Study. Copies of the report are requested for release to the Indiana State Police and the Indiana Office of Traffic Safety as a normal procedure for these reports.

Respectfully submitted,

  
James Mekemson  
Graduate Research Assistant

JM:ks

cc: A. G. Altschaeffl	D. E. Hancher	C. F. Scholer
W. L. Dolch	K. R. Hoover	M. B. Scott
R. L. Eskew	J. F. McLaughlin	K. C. Sinha
G. D. Gibson	R. F. Marsh	C. A. Venable
W. H. Goetz	R. D. Miles	L. E. Wood
M. J. Gutzwiller	P. L. Owens	E. J. Yoder
G. K. Hallock	G. T. Satterly	S. R. Yoder



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15. Supplementary Notes Conducted in cooperation with the U.S. Department of Transportation, Federal Highway Administration. Planning Study titled "Speed Trends for Indiana Highways."			
16. Abstract This report is another in the continuing study of speeds of vehicles on Indiana highways. Observations of spot speeds were taken on interstate, four-lane and two-lane highways throughout the state during the October - December 1978 quarter. Analysis of the speeds showed the overall average speed for all vehicles was 58.3 mph. The overall average speed for passenger cars and all trucks was 58.8 mph and 57.7 mph respectively. These overall average speeds were 1.2 mph greater for passenger cars and 0.9 mph greater for trucks than speeds found in the July - September 1978 study (Speed Report No. 106).			
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Interim Report  
TRAFFIC SPEED REPORT NO. 107

by

J. R. Mekemson  
Graduate Instructor in Research

and

G. K. Stafford  
Traffic Engineering Technician

Joint Highway Research Project

Project No.: C-36-10C

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Engineering Experiment Station  
Purdue University

in cooperation with the

Indiana State Highway Commission

and the

U. S. Department of Transportation  
Federal Highway Administration

The opinions, findings and conclusions expressed in this publication are those of the authors and not necessarily those of the Federal Highway Administration.

Purdue University  
West Lafayette, Indiana  
February 8, 1979





## TRAFFIC SPEED REPORT NO. 107

This report is an analysis of spot speed observations made between October and December 1978. All observations were of free flowing vehicles on level, tangent sections of rural and urban highways under favorable conditions. All observation were made during daylight under favorable conditions.

The speed monitoring stations for each highway classification were divided into two groups. The first group is identified as "control stations" and studied from the same locations on selected Federal and State highways as used in previous studies. The "primary control stations" are used in each quarterly study. The second group is selected at random for each quarterly study.

Fourteen speed monitoring stations were used for this reported study. Seven of these stations were the primary control stations and the other seven stations were selected at random for this quarterly study.

Stations were classified as rural two-lane, four-lane, or interstate, or urban interstate highways. A representative sample of spot speeds was obtained at each station in each classification. The site locations follow and are also shown in Figure A.

Rural Interstate Highways

*RI-21 (I-69)	1.6 miles south of S.R. 18
*RI-6 (I-65)	2.3 miles south of S.R. 56, 50 yards south of 27 mile marker
RI-2 (I-64)	5.9 miles west of S.R. 61
RI-17 (I-70)	1.1 miles east of S.R. 9



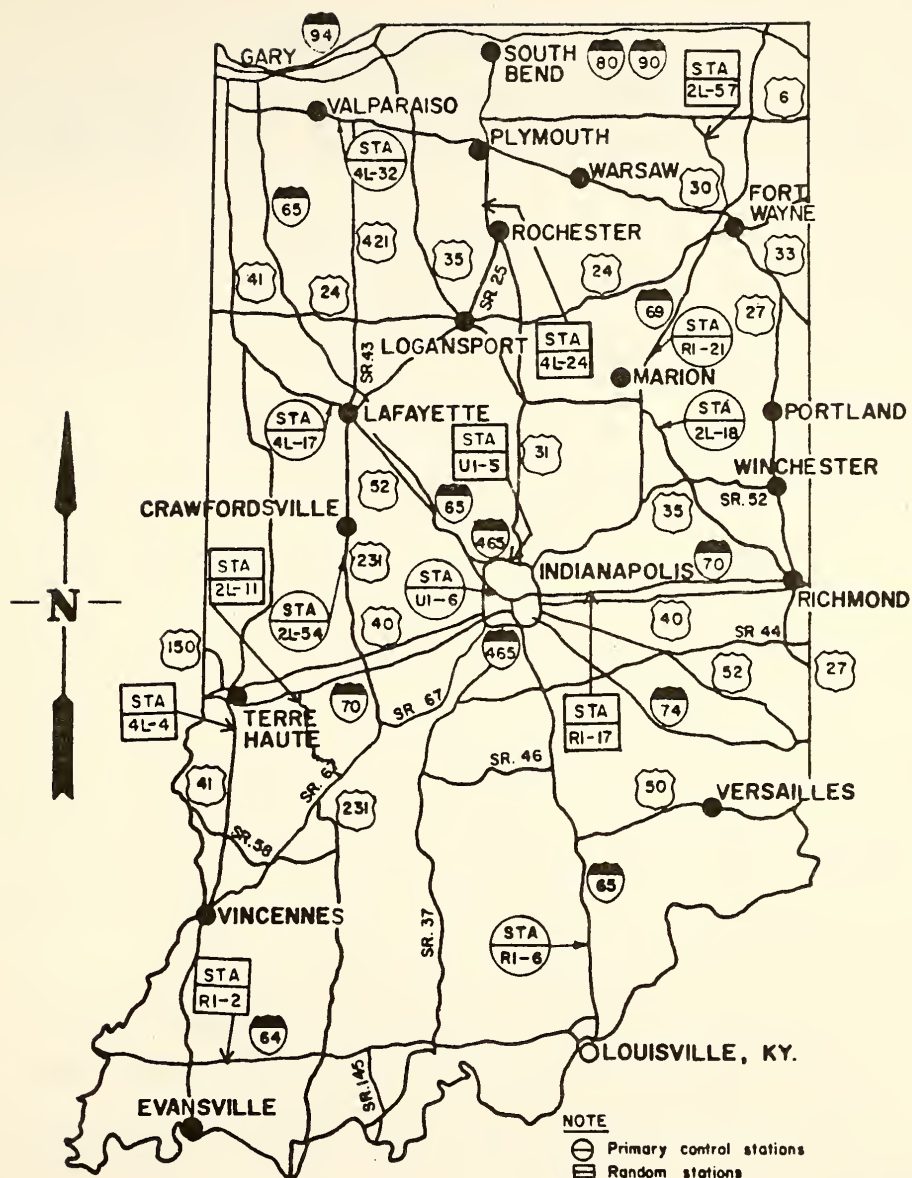


FIGURE A. LOCATIONS OF SPEED-STUDY STATIONS



### Four-Lane Highways

*4L-32 (U.S. 30)	2.9 miles west of Wanatak City limit sign
*4L-17 (U.S. 52)	150' east of C.R. 475 W.
4L-4 (U.S. 41)	0.45 miles south of south sign of Youngstown
4L-24 (U.S. 31)	7.8 miles north of S.R. 25

### Two-Lane Highways

*2L-18 (U.S. 35)	2.5 miles east of I-69
*2L-54 (U.S. 231)	1.1 miles south of S.R. 234
2L-11 (S.R. 59)	1.5 miles south of I-70
2L-57 (S.R. 3)	2.1 miles north of north leg of S.R. 8

### Urban Interstate Highways

UI-6 (I-65)	just east of White River
UI-5 (I-465)	2.55 miles west of U.S. 31

---

\*Primary Control Stations.

The vehicles were classified as Indiana or Non-Indiana Passenger Cars and Light (less than 5,000 lbs. gross weight) or Heavy (equal to or more than 5,000 lbs. gross weight) Trucks. The analysis was performed as classified and combined, passenger cars or trucks.

The maximum speed limit in Indiana is 55 miles per hour, both on Interstate and other rural highways.

### Equipment and Field Procedure

The observations for this study were obtained by use of a Radar Speed Meter. The meter was located in a van type vehicle parked as a disabled vehicle on the right shoulder or as a normally parked vehicle in an access driveway to the road. The van was equipped with one-way vision windows on the side facing traffic and the rear window was shuttered so that approaching vehicles could not observe the speed measurement process. The observers were also equipped with CB radio equipment so as to monitor possible



radio notification of the speed measurement and of police vehicles in the area. When any such incidents occurred speeds were not taken for at least a 15 minute period following. Such periods rarely occurred on other than interstate roads where they occurred frequently.

The speed was measured at a distance from the van so that the angle of measurement with the highway center line was always less than  $10^{\circ}$ . No corrections of speeds were necessary at these small angles. At the beginning of the study the accuracy of the meter was checked and any constant discrepancy of readings was corrected accordingly.

#### RESULTS OF ANALYSIS

The data collected were analyzed and are summarized in Tables 1 to 14 in the Appendix. Tables 15, 16, 17, and 18 summarize the data for rural interstate, four-lane, two-lane, and urban interstate highways, respectively. Table 19 is the summary for all highways. Tables 20 through 34 are summaries in a FHWA format which that organization requires.

The average speed for each classification of vehicles on each type of highway for this study was as follows:





	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	59.3	60.8	57.8	57.3
Non-Indiana	59.7	60.6	59.5	58.3
All Passenger Cars	59.3	60.7	58.0	57.4
85 Percential (all)	62.9	64.7	62.6	62.0
<u>Trucks:</u>				
Less than 5,000 lbs.	58.7	59.4	56.9	56.6
5,000 lbs. or more	57.8	59.9	58.3	54.9
<u>All Vehicles:</u>				
Average	58.9	60.3	57.9	56.6
85 Percentile	62.5	64.6	62.7	61.6

The percent of vehicles exceeding the speed limit (55 mph) for each classification of vehicle and each type of highway was as follows:

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	82.4	88.2	68.0	63.5
Non-Indiana	90.9	87.5	80.0	71.3
All Passenger Cars	83.1	88.0	69.4	64.1
<u>Trucks:</u>				
Less than 5,000 lbs.	81.0	76.4	63.6	59.5
5,000 lbs. or more	71.6	83.4	72.0	49.5
<u>All Vehicles:</u>				
	80.1	85.0	68.9	59.6



The percent of vehicles traveling more than 5 mph above the speed limit (exceeding 60 mph) for each case was as follows:

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	35.1	50.2	26.9	23.8
Non-Indiana	36.4	48.9	35.8	40.0
All Passenger Cars	35.2	49.9	27.9	25.1
<u>Trucks:</u>				
Less than 5,000 lbs.	27.9	39.1	29.9	21.7
5,000 lbs. or more	33.3	43.5	36.3	16.9
<u>All Vehicles:</u>				
	33.5	46.5	30.2	22.4

The percent of vehicles traveling more than 10 mph above the speed limit (exceeding 65 mph) for each case was as follows:

	<u>Interstate</u>		<u>Other</u> <u>Four Lane</u>	<u>Two Lane</u>
	<u>Urban</u>	<u>Rural</u>	<u>Rural</u>	<u>Rural</u>
<u>Passenger Cars:</u>				
Indiana	9.1	13.6	6.6	7.1
Non-Indiana	4.5	14.3	9.2	7.5
All Passenger Cars	8.7	13.8	6.9	7.2
<u>Trucks:</u>				
Less than 5,000 lbs.	7.5	11.4	6.7	4.6
5,000 lbs. or more	2.5	12.3	9.0	3.7
<u>All Vehicles:</u>				
	7.1	13.0	7.4	5.8



### Summary and Conclusions

Overall average speed for all vehicles and passenger cars in the October - December 1978 study were found to be 58.3 and 58.8 mph, respectively. These overall average speeds for all vehicles and passenger cars are respectively 1.1 and 1.2 mph above the results of the July - September 1978 study, and are 0.4 and 0.5 mph below the results of the October - December 1977 study.

Overall average speeds for all trucks and heavy trucks in this October - December 1978 study were found to be 57.7 and 57.8 mph, respectively. These overall average speeds for all trucks and heavy trucks are respectively 0.9 and 0.5 mph greater than the results of the July - September 1978 study, and differ by 0.4 and 0.4 mph, respectively, below the October - December 1977 study.

Table A presents a comparison of the overall speed results with that of the previous three studies. The table also shows that the 85th percentile speed of passenger cars increased by 1.1 mph to 63.2 mph when compared to the July - September 1978 study and is 0.8 mph below the results of the October - December 1977 study.

A comparison of October - December 1978 speed data with that for other recent periods for several types of highways for passenger cars and trucks is shown in Tables B, C, D, and E.

Tables B, C, D, and E show in general that passenger car and truck average speeds have increased slightly when compared to the July - September 1978 study results but are slightly less than speeds of October - December 1977.



Table A  
Comparison of the Overall Speed Results

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Average:</u>				
All Passenger Cars	58.8	57.6	58.4	59.0
Heavy Trucks	57.8	57.3	57.9	57.8
All Trucks	57.7	56.8	57.6	57.6
<u>85 Percentile:</u>				
All Passenger Cars	63.2	62.1	63.1	63.8
Heavy Trucks	62.9	62.2	62.7	62.9
All Trucks	62.7	61.7	62.7	62.8
<u>15 Percentile:</u>				
Heavy Trucks	51.6	51.6	52.1	51.8





Table B  
Average Speeds on Interstate Highways (Urban)

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Passenger Cars:</u>				
Indiana	59.3	58.0	59.2	59.7
Non-Indiana	59.7	57.9	57.9	61.2
All Passenger Cars	59.3	58.0	59.1	59.9
85 Percentile (all)	62.9	62.1	62.9	63.9
<u>Trucks:</u>				
Less than 5,000 lbs.	58.7	56.5	58.4	58.3
5,000 lbs. or more	57.8	56.8	57.7	58.4

Table C  
Average Speeds on Interstate Highways (Rural)

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Passenger Cars:</u>				
Indiana	60.8	58.5	60.5	61.0
Non-Indiana	60.6	60.1	60.5	61.4
All Passenger Cars	60.7	59.2	60.5	61.1
85 Percentile (all)	64.7	63.1	64.9	65.9
<u>Trucks:</u>				
Less than 5,000 lbs.	59.4	58.2	59.3	59.8
5,000 lbs. or more	59.9	59.4	60.0	59.8



Table D  
Average Speeds on Other Four-Lane Highways

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Passenger Cars:</u>				
Indiana	57.8	56.9	57.5	58.0
Non-Indiana	59.5	57.5	58.2	60.2
All Passenger Cars	58.0	56.9	57.6	58.2
85 Percentile (all)	62.6	61.6	62.2	62.7
<u>Trucks:</u>				
Less than 5,000 lbs.	56.9	55.4	57.2	57.3
5,000 lbs. or more	58.3	56.2	57.9	57.6

Table E  
Average Speeds on Two-Lane Highways

	Oct.-Dec. 1978	July-Sept. 1978	April-June 1978	Jan.-March 1978
<u>Passenger Cars:</u>				
Indiana	57.3	56.4	56.5	57.2
Non-Indiana	58.3	56.2	57.5	58.9
All Passenger Cars	57.4	56.4	56.8	57.3
85 Percentile (all)	62.0	61.0	61.6	62.3
<u>Trucks:</u>				
Less than 5,000 lbs.	56.6	55.0	55.3	55.5
5,000 lbs. or more	54.9	55.5	54.9	54.4



## TABLE 1 SPEED DATA

STATION RI-6 HIGHWAY I-65 LOCATION 2.3 miles south of S.R. 56

NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER clear and sunny

THIS OBSERVATION DATE 11-9-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE 9-18 a.m. - 10:32 a.m. NB  
TIME 10:48 a.m. - 11:43 a.m. SB

	PASSENGER CARS										TRUCKS																			
	ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.				
	PRES-		PRES-		OBSERVATION	PRES-		PRES-			PRES-		PRES-			PRES-		PRES-			PRES-		PRES-			PRES-		PRES-		
LAST	ENI	LAST	ENI	LAST		ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	246	226	134	192		112	34		184	216	57	59		127	157															
AVERAGE SPEED (MPH)	60.70	61.21	60.70	61.24		60.20	61.03		60.10	60.80	59.80	58.73		60.20	61.57															
STANDARD DEVIATION	5.400	4.734	5.210	4.848		5.640	4.093		4.680	5.253	5.460	5.316		4.300	4.580															
24 MPH	0	0	0	0		0	0		0	0	0	0		0	0															
29 MPH	0	0	0	0		0	0		0	0	0	0		0	0															
34 MPH	0	0	0	0		0	0		0	0	0	0		0	0															
39 MPH	0	0	0	0		0	0		0	0	0	0		0	0															
44 MPH	0	0	0	0		0	0		0	0	0	0		0	0															
49 MPH	1.2	2	1.5	1.0		0.9	0		1.1	2.8	1.8	6.8		8	1.3															
54 MPH	9.4	5.3	9.7	6.3		8.9	2.9		10.3	11.1	14.0	23.7		8.7	6.4															
TRAVELING	45.1	36.3	42.5	35.9		48.2	38.2		44.6	38.9	56.1	52.3		39.4	31.2															
AT OR	80.1	79.6	79.8	79.7		80.4	79.4		85.3	78.2	82.5	88.1		86.6	74.5															
LESS THAN	94.3	94.7	95.5	94.3		92.9	97.1		97.3	95.4	94.7	94.9		98.4	95.5															
74 MPH	98.4	99.1	97.8	99.0		99.1	100.0		100.0	99.1	100.0	96.6		100.0	100.0															
79 MPH	99.6	99.6	100.0	99.5		99.1	100.0		100.0	100.0	100.0	100.0		100.0	100.0															
84 MPH	99.6	100.0	100.0	100.0		99.1	100.0		100.0	100.0	100.0	100.0		100.0	100.0															
89 MPH	100.0	100.0	100.0	100.0		100.0	100.0		100.0	100.0	100.0	100.0		100.0	100.0															
DIRECTION	ND																													
NUMBER OF VEHICLES	131	92	71	79		60	13		84	127	25	22		59	105															
AVERAGE SPEED	59.40	61.67	59.30	61.82		59.50	60.77		58.60	61.96	57.40	60.55		59.10	62.26															
DIRECTION	SB																													
NUMBER OF VEHICLES	115	134	63	113		52	21		100	89	32	37		68	52															
AVERAGE SPEED	62.30	60.82	62.20	60.83		62.50	61.19		61.30	59.13	61.60	57.65		61.20	60.19															



## TABLE 2--SPEED DATA

STATION RI-21 HIGHWAY I-69 LOCATION 1.6 miles south of S.R. 18

NO. OF LANES 4 TYPE OF SURFACE Blacktop

WEATHER clear and sunny

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106 )

DATE 10-2-78

TIME 2:21p.m.-3:52p.m. NB

4:05p.m.-5:15p.m. SB

	PASSENGER CARS				TRUCKS			
	ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.	PRES-	PRES-
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI
NUMBER OF VEHICLES	263	343	178	267	85	176	48	85
AVE. SPEED (MPH)	60.20	61.22	60.00	61.08	61.72	60.45	58.60	60.68
STANDARD DEVIATION	4.760	4.857	4.560	4.727	5.170	5.064	6.090	5.095
24 MPH	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0
49 MPH	4	23	6	0	1.3	2.2	4.2	0
54 MPH	8.0	7.0	9.0	7.1	5.2	6.6	15.5	10.8
TRAVELING	49.8	35.9	51.7	37.5	45.9	30.3	50.6	62.5
AT OR	85.9	79.6	86.0	80.5	82.9	76.3	83.9	77.3
LESS THAN	95.4	95.3	96.6	95.5	92.9	94.7	95.4	96.6
	98.5	98.5	99.4	98.9	96.5	97.4	99.4	99.4
	99.6	99.4	100.0	99.3	98.8	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION NB	128	170	86	132	42	38	91	86
NUMBER OF VEHICLES	60.30	61.84	60.30	61.73	60.10	62.18	60.80	61.30
AVERAGE SPEED	135	173	92	135	43	38	83	90
DIRECTION SB	60.10	60.62	59.60	60.44	61.00	61.26	58.50	59.64
NUMBER OF VEHICLES	43	42	24	42	48	42	59	48
AVERAGE SPEED	58.50	58.60	58.10	58.48	58.50	58.60	58.50	58.92





## TABLE 3 SPEED DATA

STATION RI-2 HIGHWAY I-64 LOCATION 5.9 miles west of S.R. 61

NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER clear and sunny

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

DATE 11-8-78

DATE 9:18a.m.-10:44a.m. EB

TIME 11:13a.m.-12:48p.m. WB

	PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	ALL	PRES-	INDIANA	PRES-	LAST	ENI	LAST	ENI	PRES-	LAST	ENI	PRES-
OBSERVATION	LAST	ENI	LAST	ENI	LAST	ENI	LAST	ENI	LAST	LAST	ENI	LAST
NUMBER OF VEHICLES	0	218	0	167	0	51	0	216	0	55	0	161
AVERAGE SPEED (MPH)	0	61.55	0	61.55	0	61.55	0	59.81	0	60.55	0	59.55
STANDARD DEVIATION	0	5.789	0	6.105	0	4.658	0	5.351	0	5.909	0	5.142
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	2.3	0	0	0	0	0	2.3	0	1.8	0	2.5
54 MPH	0	9.2	0	9.6	0	7.8	0	17.1	0	18.2	0	16.8
TRAVELING	0	32.6	0	32.5	0	22.4	0	46.8	0	40.0	0	49.1
AT OR	0	76.1	0	76.6	0	74.5	0	84.7	0	80.0	0	86.3
LESS THAN	0	91.7	0	91.4	0	96.1	0	94.9	0	92.7	0	95.7
74 MPH	0	97.7	0	97.0	0	100.0	0	99.1	0	98.2	0	99.4
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
DIRECTION	EB											
NUMBER OF VEHICLES	0	112	0	92	0	20	0	104	0	22	0	82
AVERAGE SPEED	0	61.66	0	61.50	0	62.40	0	58.66	0	60.64	0	58.13
DIRECTION WB												
NUMBER OF VEHICLES	0	106	0	75	0	31	0	112	0	33	0	79
AVERAGE SPEED	0	61.42	0	61.61	0	60.97	0	60.87	0	60.48	0	61.03



## TABLE 4 SPEED DATA

STATION RI-17 HIGHWAY I-70 LOCATION 1.1 miles east of S.R. 9

NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER cloudy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

DATE 11-13-78  
TIME 11:05a.m. 12:15p.m. E3  
12:55p.m. 1:58p.m. WB

										TRUCKS									
PASSENGER CARS					NON-INDIANA					<5000 LBS.					>5000 LBS.				
ALL		INDIANA		PRES-	PRES-			LAST	ENT	ALL		PRES-			PRES-				
OBSERVATION	LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT	LAST	LAST	ENT	LAST	ENT	LAST	LAST	ENT	LAST	ENT	PRES-
NUMBER OF VEHICLES	0	262	0	151	0	111	0	176	0	0	72	0	72	0	0	104	0	104	0
AVE. SPEED (MPH)	0	59.06	0	58.96	0	59.21	0	57.88	0	57.39	0	57.39	0	57.39	0	57.39	0	57.39	0
STANDARD DEVIATION	0	4.188	0	4.063	0	4.367	0	4.255	0	4.255	0	4.255	0	4.255	0	4.255	0	4.255	0
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	8	0	0	0	1.8	0	5.1	0	5.1	0	5.1	0	5.1	0	5.1	0	5.1	0
54 MPH	0	9.2	0	9.2	0	8.1	0	18.8	0	18.8	0	18.1	0	18.1	0	19.2	0	19.2	0
59 MPH	0	56.2	0	58.3	0	53.0	0	72.7	0	72.7	0	73.0	0	73.0	0	72.1	0	72.1	0
64 MPH	0	92.4	0	93.4	0	91.0	0	93.8	0	93.8	0	94.4	0	94.4	0	93.3	0	93.3	0
69 MPH	0	97.7	0	97.4	0	98.2	0	99.4	0	99.4	0	98.6	0	98.6	0	100.0	0	100.0	0
74 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0
DIRECTION	0	127	0	81	0	46	0	20	0	20	0	28	0	28	0	62	0	62	0
NUMBER OF VEHICLES	0	58.62	0	58.80	0	58.48	0	57.28	0	57.28	0	57.54	0	57.54	0	57.16	0	57.16	0
AVERAGE SPEED	0	135	0	70	0	65	0	86	0	86	0	44	0	44	0	42	0	42	0
DIRECTION	0	52.42	0	52.14	0	59.72	0	57.70	0	57.70	0	57.30	0	57.30	0	58.12	0	58.12	0
NUMBER OF VEHICLES	0	135	0	70	0	65	0	86	0	86	0	44	0	44	0	42	0	42	0
AVERAGE SPEED	0	52.42	0	52.14	0	59.72	0	57.70	0	57.70	0	57.30	0	57.30	0	58.12	0	58.12	0



## TABLE 5 SPEED DATA

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STATION 4L-17 HIGHWAY U.S. 52 LOCATION Tippecanoe County 150' east of C.R. 475 West
NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER clear and sunny
THIS OBSERVATION 10-1-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)
DATE 10-1-78 DATE
TIME 9:30a.m. 11:18a.m. WB
12:40p.m. 2:23p.m. WB

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THIS OBSERVATION		LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106 )	
DATE	TIME	DATE	TIME
10-1-78			
9:30a.m.	11:18a.m.	EB	
12:40p.m.	2:23p.m.	WB	

OBSERVATION	ALL			PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	PRES-			INDIANA			PRES-			PRES-			PRES-		
	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
NUMBER OF VEHICLES	278	323		246	309		14	151		151	159		89	106	
AVE. SPEED (MPH)	56.80	56.95		56.60	56.27		58.00	56.50		56.10	55.47		56.30	55.04	
STANDARD DEVIATION	5.900	5.306		6.000	5.367		5.000	3.818		7.250	6.282		7.040	6.090	
24 MPH	0	0		0	0		0	0		0	0		0	0	
29 MPH	4	0		4	0		0	0		0	0		0	0	
34 MPH	4	0		4	0		0	0		1.3	0		0	0	
39 MPH	7	3		8	3		0	0		1.3	1.9		0	1.9	
44 MPH	4.0	1.9		4.2	1.0		0	0		6.0	6.2		3.4	5.7	
49 MPH	8.3	5.2		8.5	5.1		6.3	0		13.9	13.8		10.1	14.2	
54 MPH	28.8	29.7		30.9	28.8		12.5	28.5		35.1	39.0		40.5	44.5	
59 MPH	71.9	70.9		72.4	70.9		68.8	71.4		74.2	74.2		72.7	78.3	
64 MPH	91.0	92.0		91.9	91.6		84.4	102.0		92.7	94.3		94.4	95.5	
69 MPH	98.2	99.4		98.0	99.4		100.0	100.0		98.7	100.0		97.8	100.0	
74 MPH	99.6	99.7		99.6	99.7		100.0	100.0		99.3	100.0		98.9	100.0	
79 MPH	100.0	100.0		100.0	100.0		100.0	100.0		99.3	100.0		98.9	100.0	
84 MPH	100.0	100.0		100.0	100.0		100.0	100.0		99.3	100.0		98.9	100.0	
89 MPH	100.0	100.0		100.0	100.0		100.0	100.0		99.3	100.0		98.9	100.0	
DIRECTION	146	156		131	151		15	69		69	82		43	57	
NUMBER OF VEHICLES	56.20	56.95		55.90	56.97		58.10	56.40		54.50	55.51		54.60	54.56	
AVERAGE SPEED	132	167		115	158		17	82		77	77		46	49	
DIRECTION	57.40	56.96		57.30	56.98		57.80	56.56		57.50	55.43		57.90	55.59	
NUMBER OF VEHICLES	132	167		115	158		17	82		77	77		46	49	
AVERAGE SPEED	57.40	56.96		57.30	56.98		57.80	56.56		57.50	55.43		57.90	55.59	





## TABLE 6 SPEED DATA

STATION 41-32 HIGHWAY U.S. 30 LOCATION 2.2 miles west of Wanatah City limit sign  
 NO. OF LANES 4 TYPE OF SURFACE Blacktop WEATHER partly cloudy  
 THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)  
 DATE 11-10-78 DATE  
 TIME 11:45a.m.-12:13p.m. EB TIME  
10:42a.m.-11:41a.m. WB

PASSENGER CARS										TRUCKS														
ALL					INDIANA					ALL					<5000 LBS.					>5000 LBS.				
PRES-					PRES-					PRES-					PRES-					PRES-				
LAST					LAST					LAST					LAST					LAST				
ENI					ENI					ENI					ENI					ENI				
OBSERVATION					OBSERVATION					OBSERVATION					OBSERVATION					OBSERVATION				
NUMBER OF VEHICLES																								
180					131					248					47					201				
252					196					189					66					123				
AVE. SPEED (MPH)																								
58.9					58.52					58.50					59.02					58.80				
57.50					57.40					57.50					57.30					59.00				
STANDARD DEVIATION																								
4.720					5.077					4.530					4.130					5.302				
5.034					5.077					4.592					4.590					5.302				
-24 MPH																								
0					0					0					0					0				
-29 MPH																								
0					0					0					0					0				
-34 MPH																								
0					0					0					0					0				
-39 MPH																								
0					0					0					0					0				
PERCENT																								
2.6					1.5					.5					1.5					.5				
OF																								
44 MPH					82					1.2					0					1.4				
2.4					2.6					3.2					4.3					1.4				
VEHICLES																								
27.8					28.6					16.9					23.4					15.4				
16.7					18.9					8.9					16.9					17.1				
TRAVELING																								
69.4					71.8					55.2					68.1					51.5				
54.8					59.7					37.5					54.0					52.2				
AT OR																								
92.2					92.4					91.9					97.9					92.4				
89.3					91.8					80.4					91.5					91.1				
LESS THAN																								
27.8					28.5					26.4					100.0					97.0				
97.6					98.0					96.4					100.0					95.9				
74 MPH																								
100.0					99.5					100.0					100.0					100.0				
99.6					100.0					100.0					100.0					100.0				
79 MPH																								
100.0					100.0					100.0					100.0					100.0				
100.0					100.0					100.0					100.0					100.0				
84 MPH																								
100.0					100.0					100.0					100.0					100.0				
100.0					100.0					100.0					100.0					100.0				
89 MPH																								
100.0					100.0					100.0					100.0					100.0				
100.0					100.0					100.0					100.0					100.0				
DIRECTION																								
EB					WB					EB					WB					EB				
NUMBER OF VEHICLES																								
24					68					121					24					97				
131					100					31					34					58				
AVERAGE SPEED																								
57.60					58.77					59.52					58.77					59.90				
58.77					57.70					58.54					57.50					59.00				
DIRECTION																								
WB					WB					WB					WB					WB				
NUMBER OF VEHICLES																								
86					121					25					97					104				
121					63					96					23					32				
AVERAGE SPEED																								
57.30					59.17					57.20					58.49					57.80				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
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59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
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59.17					57.20					61.76					59.23					57.60				
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59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23					57.60				
59.17					57.20					61.76					59.23									





## TABLE 7 SPEED DATA

STATION 44-4 HIGHWAY U.S. 41 LOCATION .45 miles south of south sign of Youngstown  
 NO. OF LANES 4 TYPE OF SURFACE Concrete WEATHER partly cloudy  
 THIS OBSERVATION 11-7-78 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )  
 DATE 12:01p.m. - 12:57p.m. NB  
 TIME 10:56a.m. - 11:49a.m. SB

		PASSENGER CARS				TRUCKS			
		ALL		INDIANA		NON-INDIANA		ALL	
		PRES-		PRES-		PRES-		PRES-	
		LAST	ENT	LAST	ENT	LAST	ENT	LAST	ENT
OBSERVATION		LAST		LAST		LAST		LAST	
NUMBER OF VEHICLES		0	251	0	237	0	14	0	96
AVE. SPEED (MPH)		0	56.89	0	56.77	0	58.86	0	55.16
STANDARD DEVIATION		0	5.071	0	5.134	0	3.416	0	5.635
24 MPH		0	0	0	0	0	0	0	0
29 MPH		0	0	0	0	0	0	0	0
34 MPH		0	0	0	0	0	0	0	0
39 MPH		0	4	0	4	0	0	0	0
44 MPH		0	24	0	24	0	0	0	0
49 MPH		0	72	0	76	0	0	0	0
54 MPH		0	271	0	278	0	143	0	133
59 MPH		0	709	0	717	0	571	0	441
64 MPH		0	952	0	949	0	1000	0	750
69 MPH		0	988	0	987	0	1000	0	957
74 MPH		0	996	0	926	0	1000	0	1000
79 MPH		0	1000	0	1000	0	1000	0	1000
84 MPH		0	1000	0	1000	0	1000	0	1000
89 MPH		0	1000	0	1000	0	1000	0	1000
DIRECTION NB		LAST		LAST		LAST		LAST	
NUMBER OF VEHICLES		0	130	0	124	0	6	0	21
AVERAGE SPEED		0	55.92	0	55.86	0	58.67	0	54.88
DIRECTION SB		LAST		LAST		LAST		LAST	
NUMBER OF VEHICLES		0	121	0	113	0	8	0	97
AVERAGE SPEED		0	57.85	0	57.77	0	59.00	0	55.42



TABLE 8  
SPEED DATA

STATION	4L-24	HIGHWAY	U.S. 31	LOCATION	7.8 miles North of S.R. 25
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NO. OF LANES	4	TYPE OF SURFACE	Concrete	WEATHER	cloudy
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THIS OBSERVATION	LAST PREVIOUS OBSERVATION (SPEED REPORT NO. <u>106</u> )
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DATE	TIME	DATE	TIME
11-15-78		12-17p.m.	NB
10:34a.m.		12:30p.m.	SB
		1:55p.m.	SB

PASSENGER CARS TRUCKS

ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.
ALL	INDIANA	NON-INDIANA	ALL	<5000 LBS.	>5000 LBS.

	PRES-	PRES-	PRES-	PRES-
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[illegible]

NUMBER OF VEHICLES	0	219	0	183	0	36	0	215	0	73	0	142
	0	219	0	183	0	36	0	215	0	73	0	142

[illegible]

STANDARD DEVIATION	3.06	3.247	4.137	3.224	3.328	4.331
37.000	0	0	0	0	0	0

[illegible]

37 MPH

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

	74 MPH	90 MPH	100 MPH	100%
74 MPH	0	0	0	0
90 MPH	0	0	0	0
100 MPH	0	0	0	0
100%	0	0	0	0

[illegible][illegible]

DIRECTION NB

	0	10	20	30	40	50	60	70	80	90	100	TOTAL	
NUMBER OF VEHICLES	0	110	0	0	94	0	16	0	104	0	31	0	73

AVERAGE SPEED	J	59.45	0	59.50	0	59.12	0	59.99	0	59.10	0	60.37
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DIRECTION SB

	0	109	0	89	0	20	0	111	0	42	69
NUMBER OF VEHICLES	0	109	0	89	0	20	0	111	0	42	69

[illegible]



# TABLE 2 SPEED DATA

STATION 2L-18 HIGHWAY U.S. 35 LOCATION 2.5 miles east of I-69

NO. OF LANES 2 TYPE OF SURFACE Blacktop

WEATHER clear and sunny

## THIS OBSERVATION

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE 10-2-78

DATE

TIME 10:05a.m.-1:32p.m.

TIME

	PASSENGER CARS						TRUCKS					
	ALL	PRES-	INDIANA	PRES-	NON-INDIANA	ALL	PRES-	<5000 LBS.	PRES-	>5000 LBS.	PRES-	
OBSERVATION	LASI	ENI	LASI	ENI	LASI	ENI	LASI	LASI	ENI	LASI	ENI	
NUMBER OF VEHICLES	283	342	257	313	26	29	146	241	79	67	151	
AVE. SPEED (MPH)	57.60	57.99	57.50	57.89	58.10	59.16	55.30	55.05	56.10	56.29	54.30	53.20
STANDARD DEVIATION	6.080	5.608	6.110	5.645	5.810	5.146	6.360	5.658	6.410	6.471	6.200	5.982
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	3	0	3	0	0	7	1.2	0	0	1.5	2.0
44 MPH	2.1	3	2.3	3	0	0	6.2	6.6	5.1	1.1	7.4	9.9
49 MPH	7.1	5.0	7.4	5.4	3.8	0	15.8	14.9	12.7	7.8	19.4	19.2
54 MPH	27.9	22.8	27.6	23.3	30.8	17.2	43.2	39.8	38.0	24.4	49.3	49.0
59 MPH	67.1	66.1	67.7	67.4	61.5	51.7	73.3	80.9	70.9	72.2	76.1	86.1
AT OR	64 MPH	88.0	92.4	88.3	93.0	84.6	93.2	97.5	89.9	96.7	97.0	98.0
LESS THAN	69 MPH	96.5	96.8	96.1	96.8	100.0	96.6	100.0	98.7	100.0	100.0	100.0
	74 MPH	99.3	98.8	99.2	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	79 MPH	100.0	99.4	100.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	84 MPH	100.0	99.4	100.0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	89 MPH	100.0	99.7	100.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION EB												
NUMBER OF VEHICLES	129	171	120	156	9	15	84	126	44	46	40	80
AVERAGE SPEED	58.40	58.37	58.30	58.40	58.90	58.13	56.20	56.22	57.70	57.41	54.70	55.54
DIRECTION WB												
NUMBER OF VEHICLES	154	171	137	157	17	14	62	115	35	44	27	71
AVERAGE SPEED	56.90	57.61	56.80	57.38	57.70	60.21	54.00	53.77	54.20	56.55	53.70	52.06





## TABLE 10 SPEED DATA

LOCATION 1.1 mile

## Blacktop

LAST PREV

DATE	TIME	REMARKS
10/10/54	10:00	...

TIME

1  
 2  
 3  
 4  
 5  
 6  
 7

0  
 1  
 2  
 3  
 4  
 5  
 6

OBSERVATION	ALL			INDIANA			NON-INDIANA			ALL			<5000 LBS.			>5000 LBS.		
	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-
NUMBER OF VEHICLES	241	217	204	216	25	13	196	218	86	84	110	134						
AVERAGE SPEED (MPH)	55.70	57.37	55.60	57.22	56.30	58.62	55.80	56.70	56.20	57.79	55.50	56.01						
STANDARD DEVIATION	5.820	5.653	5.810	5.614	6.040	6.345	6.480	6.407	7.200	6.070	5.880	6.540						
-24 MPH	0	0	0	0	0	0	0	0	0	0	0	0						
-29 MPH	0	0	0	0	0	0	0	0	0	0	0	0						
-34 MPH	0	0	0	0	0	0	0	0	0	0	0	0						
-39 MPH	8	5	5	9	0	0	0	2.3	0	1.2	0	3.0						
-44 MPH	5.0	7.4	5.1	1.0	4.0	0	4.6	2.8	3.3	1.2	5.4	3.7						
-49 MPH	10.8	11.6	7.4	4.0	4.0	7.7	14.8	1.6	16.3	4.8	13.6	14.2						
-54 MPH	38.6	28.5	38.0	28.9	44.0	23.1	41.3	30.7	49.7	25.0	41.8	34.3						
-59 MPH	78.8	68.2	79.2	62.1	76.0	53.8	74.5	68.3	70.9	65.5	77.3	70.1						
AT OR	94.6	90.8	95.4	91.2	88.0	84.6	92.3	92.7	87.2	91.7	96.4	93.3						
LESS THAN	98.8	97.7	98.6	97.5	100.0	100.0	98.0	97.7	96.5	95.2	99.1	99.3						
-74 MPH	100.0	100.0	100.0	100.0	100.0	100.0	98.5	99.5	97.7	98.8	99.1	100.0						
-79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.5	100.0	98.8	100.0	100.0						
-84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
-89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
DIRECTION	NB																	
NUMBER OF VEHICLES	110	106	92	102	8	7	102	109	43	43	59	66						
AVERAGE SPEED	56.00	56.99	55.90	56.68	57.40	61.43	55.70	57.20	57.00	58.19	54.80	56.56						
DIRECTION	SB																	
NUMBER OF VEHICLES	131	111	105	114	17	6	94	109	43	41	51	68						
AVERAGE SPEED	55.40	57.73	57.87	55.30	55.80	55.33	55.80	56.19	55.50	57.37	56.30	55.49						





## TABLE 11 SPEED DATA

STATION 2L-11 HIGHWAY S.R. 59 LOCATION 1.5 miles south of I-70

NO. OF LANES 2 TYPE OF SURFACE Blacktop WEATHER cloudy

THIS OBSERVATION LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

DATE 11-14-78

TIME 10:13am-1:40pm

DATE

TIME

PASSENGER CARS										TRUCKS																			
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.				
PRES-		ENI		LAST		PRES-		ENI		LAST		PRES-		ENI		LAST		PRES-		ENI		LAST		PRES-		ENI		LAST	
OBSERVATION		LAST		ENI		LAST		ENI		LAST		PRES-		ENI		LAST		PRES-		ENI		LAST		PRES-		ENI		LAST	
NUMBER OF VEHICLES		0		222		0		214		0		8		0		207		0		119		0		88		0		119	
AVE. SPEED (MPH)		0		57.64		0		57.61		0		58.38		0		56.48		0		56.35		0		56.65		0		56.65	
STANDARD DEVIATION		0		6.664		0		6.730		0		4.809		0		5.737		0		5.626		0		5.911		0		5.911	
24 MPH		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
29 MPH		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
34 MPH		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
39 MPH		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
44 MPH		0		1.4		0		1.4		0		0		0		0		0		0		0		0		0		0	
49 MPH		0		9.9		0		10.3		0		0		0		11.1		0		8.4		0		14.8		0		14.8	
54 MPH		0		29.7		0		29.9		0		25.0		0		38.2		0		38.7		0		37.5		0		37.5	
59 MPH		0		66.2		0		66.4		0		62.5		0		72.5		0		74.8		0		69.3		0		69.3	
64 MPH		0		89.6		0		89.3		0		100.0		0		90.3		0		91.6		0		89.6		0		89.6	
69 MPH		0		95.2		0		94.9		0		100.0		0		99.0		0		99.2		0		98.9		0		98.9	
74 MPH		0		98.5		0		98.6		0		100.0		0		100.0		0		100.0		0		100.0		0		100.0	
79 MPH		0		99.5		0		99.5		0		100.0		0		100.0		0		100.0		0		100.0		0		100.0	
84 MPH		0		99.5		0		99.5		0		100.0		0		100.0		0		100.0		0		100.0		0		100.0	
89 MPH		0		99.5		0		99.5		0		100.0		0		100.0		0		100.0		0		100.0		0		100.0	
DIRECTION NB		0		99.5		0		99.5		0		100.0		0		100.0		0		100.0		0		100.0		0		100.0	
NUMBER OF VEHICLES		0		114		0		111		0		3		0		102		0		56		0		46		0		46	
AVERAGE SPEED		0		56.68		0		56.59		0		60.00		0		55.19		0		55.88		0		54.35		0		54.35	
DIRECTION SB		0		108		0		103		0		5		0		105		0		63		0		42		0		42	
NUMBER OF VEHICLES		0		58.66		0		58.72		0		57.40		0		57.73		0		56.78		0		59.17		0		59.17	
AVERAGE SPEED		0		58.66		0		58.72		0		57.40		0		57.73		0		56.78		0		59.17		0		59.17	



## TABLE 12 SPEED DATA

STATION 2L-57 HIGHWAY S.R. 3 LOCATION 2.1 miles north of north leg of S.R. 8

NO. OF LANES	TYPE OF SURFACE	WEATHER	cloudy
2	Blacktop		

[illegible]

DATE 11-16-78  
TIME 8:40am-11:58am

OBSERVATION	ALL			PASSENGER CARS			NON-INDIANA			ALL			TRUCKS		
	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-	LAST	ENI	PRES-
NUMBER OF VEHICLES	0	268		0	238		0	30		0	168		0	80	
AVE. SPEED (MPH)	0	56.47		0	56.27		0	57.23		0	54.31		0	55.31	
STANDARD DEVIATION	0	5.377		0	5.413		0	5.110		0	5.770		0	5.570	
24 MPH	0	0		0	0		0	0		0	0		0	0	
29 MPH	0	0		0	0		0	0		0	0		0	0	
34 MPH	0	0		0	0		0	0		0	0		0	0	
39 MPH	0	4		0	4		0	0		0	0		0	0	
44 MPH	0	1.2		0	2.1		0	0		0	1.2		0	0	
49 MPH	0	8.6		0	8.8		0	6.7		0	5.4		0	3.8	
54 MPH	0	32.3		0	34.5		0	20.0		0	17.3		0	16.3	
59 MPH	0	72.4		0	73.5		0	63.3		0	45.8		0	37.5	
AT OR	0	24.8		0	24.5		0	26.7		0	84.5		0	80.0	
LESS THAN	0	98.5		0	98.3		0	100.0		0	97.6		0	98.8	
69 MPH	0	100.0		0	100.0		0	100.0		0	99.4		0	98.8	
74 MPH	0	100.0		0	100.0		0	100.0		0	100.0		0	100.0	
79 MPH	0	100.0		0	100.0		0	100.0		0	100.0		0	100.0	
84 MPH	0	100.0		0	100.0		0	100.0		0	100.0		0	100.0	
89 MPH	0	100.0		0	100.0		0	100.0		0	100.0		0	100.0	
DIRECTION NB															
NUMBER OF VEHICLES	0	133		0	123		0	10		0	85		0	45	
AVERAGE SPEED	0	56.75		0	56.58		0	58.20		0	54.78		0	56.20	
DIRECTION SB															
NUMBER OF VEHICLES	0	135		0	115		0	20		0	83		0	35	
AVERAGE SPEED	0	56.19		0	56.16		0	56.40		0	53.83		0	54.17	



## TABLE 13 SPEED DATA

STATION UI-6 HIGHWAY I-65 LOCATION Just east of White RiverNO. OF LANES 6 TYPE OF SURFACE concrete WEATHER cloudy

## THIS OBSERVATION

DATE 11-20-78TIME 1:09pm-1:55pm WB2:15pm-2:50pm WBLAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE

TIME

	PASSENGER CARS				NON-INDIANA				ALL				TRUCKS			
	ALL	PRES-	INDIANA	PRES-	ALL	PRES-	INDIANA	PRES-	ALL	PRES-	INDIANA	PRES-	<5000 LBS.	PRES-	>5000 LBS.	PRES-
OBSERVATION	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI	LASI	ENI
NUMBER OF VEHICLES	275	275	229	255	46	20	161	161	161	78	80	78	81	81	83	83
AVE. SPEED (MPH)	58.10	59.49	58.00	59.50	58.50	59.45	56.90	58.04	57.00	58.41	56.80	57.70	57.20	57.20	57.70	57.70
STANDARD DEVIATION	5.000	4.804	5.070	4.920	4.670	3.052	5.060	4.134	4.960	4.079	5.190	4.181	4.181	4.181	4.181	4.181
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	3.6	1.1	4.4	1.2	0	0	2.5	2.6	2.5	2.6	3.8	2.6	2.4	2.4	2.4	2.4
54 MPH	22.1	13.5	22.3	13.7	21.7	10.0	24.8	12.5	31.3	12.4	18.5	12.4	12.4	12.4	12.4	12.4
TRAVELING	61.5	55.3	62.9	56.1	54.3	45.0	70.8	64.6	68.8	62.8	72.8	66.3	66.3	66.3	66.3	66.3
AT OR	64 MPH	90.6	86.2	90.4	85.5	91.3	95.0	95.0	95.7	92.5	93.6	97.6	97.6	97.6	97.6	97.6
LESS THAN	69 MPH	97.8	97.5	97.8	97.3	97.8	100.0	99.4	98.8	98.8	98.7	98.8	98.8	98.8	98.8	98.8
74 MPH	99.6	99.3	99.6	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
79 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
84 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
89 MPH	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DIRECTION <u>EB</u>																
NUMBER OF VEHICLES	143	142	114	132	22	10	76	75	38	32	38	40	40	40	40	40
AVERAGE SPEED	57.80	59.20	57.70	59.15	58.40	59.80	56.00	57.79	56.30	58.06	55.70	57.55	57.55	57.55	57.55	57.55
DIRECTION <u>WB</u>																
NUMBER OF VEHICLES	132	133	115	123	17	10	85	86	42	43	43	43	43	43	43	43
AVERAGE SPEED	58.40	59.81	58.40	59.87	58.70	59.19	57.70	58.27	57.60	58.70	57.90	57.84	57.84	57.84	57.84	57.84











TABLE 15 SPEED DATA

STATION RIALL HIGHWAY 4 Lane Rural LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE October-December, 1978 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)  
DATE July-September, 1978

TIME TIME

		PASSENGER CARS						TRUCKS					
		INDIANA			NON-INDIANA			ALL			<5000 LBS.		
		PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	ENT	PRES-	LAST	PRES-
OBSERVATION		LAST	LAST	LAST	LAST	LAST	LAST	LAST	LAST	LAST	LAST	LAST	LAST
NUMBER OF VEHICLES		0	1049	0	777	0	272	0	784	0	271	0	513
AVE. SPEED (MPH)		0	60.75	0	60.81	0	60.57	0	59.70	0	59.35	0	59.89
STANDARD DEVIATION		0	4.978	0	5.069	0	4.713	0	5.141	0	5.576	0	4.891
24 MPH		0	0	0	0	0	0	0	0	0	0	0	0
29 MPH		0	0	0	0	0	0	0	0	0	0	0	0
34 MPH		0	0	0	0	0	0	0	0	0	0	0	0
39 MPH		0	0	0	0	0	0	0	0	0	0	0	0
44 MPH		0	0	0	0	0	0	0	0	0	0	0	0
49 MPH		0	0	0	0	0	0	0	0	0	0	0	0
54 MPH		0	0	0	0	0	0	0	0	0	0	0	0
TRAVELING		0	7.7	0	8.0	0	7.3	0	14.4	0	17.0	0	13.1
AT OR		0	40.5	0	40.3	0	41.2	0	50.1	0	55.0	0	47.6
LESS THAN		0	82.1	0	82.0	0	82.4	0	83.3	0	84.5	0	82.7
		0	95.0	0	94.5	0	96.7	0	96.4	0	95.6	0	96.9
		0	98.2	0	98.7	0	99.3	0	99.4	0	98.5	0	99.8
		0	99.7	0	99.6	0	100.0	0	100.0	0	100.0	0	100.0
		0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
		0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
		0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0



# TABLE 16 SPEED DATA

STATION 41ALL HIGHWAY 4 Lane Rural LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE October-December, 1978 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)  
DATE July-September, 1978 TIME

PASSENGER CARS										TRUCKS																				
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.					
PRES-					PRES-					PRES-					PRES-					PRES-					PRES-					
OBSERVATION	LAST	ENT	LAST	ENT	OBSERVATION	LAST	ENT	LAST	ENT	OBSERVATION	LAST	ENT	LAST	ENT	OBSERVATION	LAST	ENT	LAST	ENT	OBSERVATION	LAST	ENT	LAST	ENT	OBSERVATION	LAST	ENT	LAST	ENT	
NUMBER OF VEHICLES	0	1045	0	925	0	120	0	751	0	341	0	410	0	5832	0	5695	0	5834	0	0	0	0	0	0	0	0	0	0	0	
AVE. SPEED (MPH)	0	57.97	0	57.78	0	59.45	0	57.70	0	56.95	0	58.32	0	58.34	0	56.168	0	58.34	0	0	0	0	0	0	0	0	0	0	0	
STANDARD DEVIATION	0	5.263	0	5.338	0	4.390	0	6.023	0	6.168	0	5.834	0	5.834	0	6.168	0	5.834	0	0	0	0	0	0	0	0	0	0	0	
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
44 MPH	0	1.3	0	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
49 MPH	0	4.3	0	4.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
54 MPH	0	22.4	0	23.5	0	14.2	0	27.6	0	32.6	0	23.4	0	23.4	0	27.6	0	32.6	0	0	0	0	0	0	0	0	0	0	0	0
59 MPH	0	63.6	0	65.6	0	48.3	0	59.4	0	65.1	0	54.6	0	54.6	0	59.4	0	65.1	0	0	0	0	0	0	0	0	0	0	0	0
64 MPH	0	90.6	0	91.0	0	87.5	0	89.2	0	91.8	0	87.1	0	87.1	0	89.2	0	91.8	0	0	0	0	0	0	0	0	0	0	0	0
69 MPH	0	98.2	0	97.9	0	98.3	0	98.7	0	98.8	0	98.5	0	98.5	0	98.7	0	98.8	0	0	0	0	0	0	0	0	0	0	0	0
74 MPH	0	99.5	0	99.5	0	100.0	0	99.9	0	99.7	0	100.0	0	100.0	0	99.9	0	99.7	0	0	0	0	0	0	0	0	0	0	0	0
79 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0
84 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0
89 MPH	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	0	0	0	0	0	0	0	0	0	0	0



## TABLE 17 SPEED DATA

STATION 2LALL HIGHWAY 2 Lane Rural LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

## THIS OBSERVATION

DATE October-December, 1978

TIME

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. 106)

DATE July-September, 1978

TIME

PASSENGER CARS										TRUCKS																						
ALL					INDIANA					NON-INDIANA					ALL					<5000 LBS.					>5000 LBS.							
PRES-		ENT		LAST		PRES-		ENT		LAST		PRES-		ENT		PRES-		ENT		LAST		PRES-		ENT		LAST		PRES-				
OBSERVATION	LAST	ENT	LAST	ENT	LAST	OBSERVATION	LAST	ENT	LAST	ENT	LAST	OBSERVATION	LAST	ENT	LAST	OBSERVATION	LAST	ENT	LAST	ENT	LAST	OBSERVATION	LAST	ENT	LAST	ENT	LAST	OBSERVATION	LAST	ENT	LAST	
NUMBER OF VEHICLES	0	10.42	0	9.69	0	8.0	NUMBER OF VEHICLES	0	8.34	0	3.73	NUMBER OF VEHICLES	0	8.34	0	3.73	NUMBER OF VEHICLES	0	8.34	0	3.73	0	NUMBER OF VEHICLES	0	8.34	0	3.73	0	4.61	NUMBER OF VEHICLES	0	4.61
AVE. SPEED (MPH)	0	57.40	0	57.33	0	58.26	AVE. SPEED (MPH)	0	55.69	0	56.61	AVE. SPEED (MPH)	0	55.69	0	56.61	AVE. SPEED (MPH)	0	55.69	0	56.61	0	AVE. SPEED (MPH)	0	55.69	0	56.61	0	54.94	AVE. SPEED (MPH)	0	54.94
STANDARD DEVIATION	0	5.822	0	5.862	0	5.277	STANDARD DEVIATION	0	5.971	0	5.510	STANDARD DEVIATION	0	5.971	0	5.510	STANDARD DEVIATION	0	5.971	0	5.510	0	STANDARD DEVIATION	0	5.971	0	5.510	0	6.227	STANDARD DEVIATION	0	6.227
24 MPH	0	0	0	0	0	0	24 MPH	0	0	0	0	24 MPH	0	0	0	0	24 MPH	0	0	0	0	24 MPH	0	0	0	0	0	0	24 MPH	0	0	
29 MPH	0	0	0	0	0	0	29 MPH	0	0	0	0	29 MPH	0	0	0	0	29 MPH	0	0	0	0	29 MPH	0	0	0	0	0	0	29 MPH	0	0	
34 MPH	0	0	0	0	0	0	34 MPH	0	0	0	0	34 MPH	0	0	0	0	34 MPH	0	0	0	0	34 MPH	0	0	0	0	0	0	34 MPH	0	0	
39 MPH	0	0	0	0	0	0	39 MPH	0	0	0	0	39 MPH	0	0	0	0	39 MPH	0	0	0	0	39 MPH	0	0	0	0	0	0	39 MPH	0	0	
44 MPH	0	1.0	0	1.1	0	1.2	44 MPH	0	4.0	0	1.6	44 MPH	0	4.0	0	1.6	44 MPH	0	4.0	0	1.6	44 MPH	0	4.0	0	1.6	0	2.0	44 MPH	0	2.0	
49 MPH	0	7.4	0	7.7	0	3.8	49 MPH	0	13.3	0	9.1	49 MPH	0	13.3	0	9.1	49 MPH	0	13.3	0	9.1	49 MPH	0	13.3	0	9.1	0	16.7	49 MPH	0	16.7	
54 MPH	0	28.0	0	28.7	0	20.0	54 MPH	0	38.2	0	31.0	54 MPH	0	38.2	0	31.0	54 MPH	0	38.2	0	31.0	54 MPH	0	38.2	0	31.0	0	43.4	54 MPH	0	43.4	
59 MPH	0	68.2	0	69.0	0	57.5	59 MPH	0	76.3	0	73.2	59 MPH	0	76.3	0	73.2	59 MPH	0	76.3	0	73.2	59 MPH	0	76.3	0	73.2	0	78.7	59 MPH	0	78.7	
64 MPH	0	92.1	0	92.2	0	91.3	64 MPH	0	94.5	0	94.4	64 MPH	0	94.5	0	94.4	64 MPH	0	94.5	0	94.4	64 MPH	0	94.5	0	94.4	0	94.6	64 MPH	0	94.6	
69 MPH	0	97.0	0	96.9	0	98.8	69 MPH	0	95.0	0	98.4	69 MPH	0	95.0	0	98.4	69 MPH	0	95.0	0	98.4	69 MPH	0	95.0	0	98.4	0	99.6	69 MPH	0	99.6	
74 MPH	0	99.3	0	99.3	0	100.0	74 MPH	0	99.9	0	99.7	74 MPH	0	99.9	0	99.7	74 MPH	0	99.9	0	99.7	74 MPH	0	99.9	0	99.7	0	100.0	74 MPH	0	100.0	
79 MPH	0	99.7	0	99.7	0	100.0	79 MPH	0	99.9	0	99.7	79 MPH	0	99.9	0	99.7	79 MPH	0	99.9	0	99.7	79 MPH	0	99.9	0	99.7	0	100.0	79 MPH	0	100.0	
84 MPH	0	99.7	0	99.7	0	100.0	84 MPH	0	100.0	0	99.7	84 MPH	0	100.0	0	99.7	84 MPH	0	100.0	0	99.7	84 MPH	0	100.0	0	99.7	0	100.0	84 MPH	0	100.0	
89 MPH	0	99.8	0	99.8	0	100.0	89 MPH	0	100.0	0	100.0	89 MPH	0	100.0	0	100.0	89 MPH	0	100.0	0	100.0	89 MPH	0	100.0	0	100.0	0	100.0	89 MPH	0	100.0	



## WEATHER

LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

DATE October-December, 1978  
TIME

DATE\_July--September, 1978--  
TIME

## TRUCKS

## PASSENGER CARS

[illegible]





# TABLE 19. SPEED DATA

STATION ALL HIGHWAY Indiana System LOCATION see individual stations

NO. OF LANES TYPE OF SURFACE WEATHER

THIS OBSERVATION DATE October-December, 1978 LAST PREVIOUS OBSERVATION (SPEED REPORT NO. )

DATE October-December, 1978 DATE July-September, 1978  
TIME TIME

OBSERVATION	PASSENGER CARS										TRUCKS									
	INDIANA					NON-INDIANA					ALL					<5000 LBS.				
	ALL	PRES-	LAST	ENI	PRES-	ALL	PRES-	LAST	ENI	PRES-	ALL	PRES-	LAST	ENI	PRES-	ALL	PRES-	LAST	ENI	PRES-
NUMBER OF VEHICLES	0	3669	0	3153	0	516	0	2720	0	1132	0	1588	0	1588	0	1588	0	1588	0	1588
AVERAGE SPEED (MPH)	0	58.80	0	58.62	0	52.88	0	57.72	0	57.64	0	57.78	0	57.78	0	57.78	0	57.78	0	57.78
STANDARD DEVIATION	0	5.416	0	5.508	0	4.679	0	5.810	0	5.722	0	5.874	0	5.874	0	5.874	0	5.874	0	5.874
24 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 MPH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 MPH	0	18.4	0	19.7	0	10.7	0	25.8	0	26.1	0	25.6	0	25.6	0	25.6	0	25.6	0	25.6
59 MPH	0	57.1	0	58.9	0	45.9	0	62.1	0	64.8	0	60.1	0	60.1	0	60.1	0	60.1	0	60.1
64 MPH	0	88.3	0	83.8	0	85.7	0	89.6	0	90.7	0	88.8	0	88.8	0	88.8	0	88.8	0	88.8
69 MPH	0	96.9	0	96.7	0	97.7	0	98.2	0	97.9	0	98.4	0	98.4	0	98.4	0	98.4	0	98.4
74 MPH	0	99.3	0	99.2	0	99.6	0	99.7	0	99.5	0	99.9	0	99.9	0	99.9	0	99.9	0	99.9
79 MPH	0	99.8	0	99.8	0	100.0	0	99.9	0	99.8	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
84 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0
89 MPH	0	99.9	0	99.9	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0	0	100.0



Table 20

Monitoring of Speed  
(Statistical Summary)☒ Quarterly Report--Calendar Quarter Ending December 31, 1978

or

☐ Annual Report--Year Ending \_\_\_\_\_STATE Indiana

	Miles	Number of Monitor Locations	Number of Vehicles Measured	Duration of Measurement Session (Hours)	Average Speed (MPH)	Median Speed (MPH)	85th Percentile Speed (MPH)	Percent of Motorists Exceeding		
								55 MPH	60 MPH	65 MPH
Interstate Urban	218	2	877	2.8	58.9	58.4	62.5	80	34	7
Interstate Rural	849	4	1833	10.1	60.3	59.6	64.5	85	46	13
Multi-lane, Divided	657	4	1796	10.9	57.9	57.5	62.3	69	30	7
Multi-lane, Undivided			(Included in multi-lane, divided classification)							
2-Lane, Rural	8030	4	1883	12.6	56.6	56.2	61.6	60	22	6
State Total	9754	14	6389	36.4	58.3	57.9	63.0	72	33	8



TABLE 21

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	INTERSTATE, RURAL	
STATION NUMBER	RI-6	LOCATION I-65 2.3 miles south of S.R. 56
NUMBER OF SESSIONS	1	DATES 11-9-78 VEHICLES MEASURED 442
AVERAGE SPEED (MPH)	61.0	STANDARD DEVIATION 5.0
MEDIAN SPEED (MPH)	60.4	85TH PERCENTILE SPEED (MPH) 65.3
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	89	60 MPH 54 65 MPH 17



TABLE 22

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL  
 STATION NUMBER RI-21 LOCATION I-69 1.6 miles south of S.R. 18  
 NUMBER OF SESSIONS 1 DATES 10-2-78 VEHICLES MEASURED 519  
 AVERAGE SPEED (MPH) 61.0 STANDARD DEVIATION 4.9  
 MEDIAN SPEED (MPH) 60.2 85TH PERCENTILE SPEED (MPH) 65.0  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 89 60 MPH 52 65 MPH 15





TABLE 23--

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	INTERSTATE, RURAL	
STATION NUMBER	RI-2	LOCATION I-64 5.9 miles west of S.R. 61
NUMBER OF SESSIONS	1	DATES 11-8-78 VEHICLES MEASURED 434
AVERAGE SPEED (MPH)	60.7	STANDARD DEVIATION 5.6
MEDIAN SPEED (MPH)	60.2	85TH PERCENTILE SPEED (MPH) 65.1
PERCENTAGE OF VEHICLES EXCEEDING:		
55 MPH	93	60 MPH 51 65 MPH 15



TABLE 24

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, RURAL  
 STATION NUMBER RI-17 LOCATION I-70 1.1 miles east of S.R. 9  
 NUMBER OF SESSIONS 1 DATES 11-13-78 VEHICLES MEASURED 438  
 AVERAGE SPEED (MPH) 58.4 STANDARD DEVIATION 4.3  
 MEDIAN SPEED (MPH) 57.8 85TH PERCENTILE SPEED (MPH) 61.9  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 78 60 MPH 28 65 MPH 5



TABLE 25

## SPED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
 STATION NUMBER 41-17 LOCATION U.S. 52 150' east of C.R. 475 W., Tippecanoe Co.  
 NUMBER OF SESSIONS 1 DATES 10-1-78 VEHICLES MEASURED 482  
 AVERAGE SPEED (MPH) 56.5 STANDARD DEVIATION 5.7  
 MEDIAN SPEED (MPH) 56.3 85TH PERCENTILE SPEED (MPH) 61.5  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 62 60 MPH 22 65 MPH 5



TABLE 26--

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE DIVIDED (RURAL)  
 STATION NUMBER 41-32 LOCATION U.S. 30 2.9 miles west of Wanatah City limit sign  
 NUMBER OF SESSIONS 1 DATES 11-10-78 VEHICLES MEASURED 441  
 AVERAGE SPEED (MPH) 59.0 STANDARD DEVIATION 5.1  
 MEDIAN SPEED (MPH) 58.6 85TH PERCENTILE SPEED (MPH) 63.2  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 77 60 MPH 36 65 MPH 9





TABLE 27

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
 STATION NUMBER 41-4 LOCATION U.S. 41 .45 south of South sign of Youngstown  
 NUMBER OF SESSIONS 1 DATES 11-7-78 VEHICLES MEASURED 439  
 AVERAGE SPEED (MPH) 56.1 STANDARD DEVIATION 5.4  
 MEDIAN SPEED (MPH) 55.9 85TH PERCENTILE SPEED (MPH) 61.0  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 57 60 MPH 21 65 MPH 3



TABLE 28

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY MULTI-LANE, DIVIDED (RURAL)  
 STATION NUMBER 41-24 LOCATION U.S. 31 7.8 miles north of SR. 25  
 NUMBER OF SESSIONS 1 DATES 11-15-78 VEHICLES MEASURED 434  
 AVERAGE SPEED (MPH) 60.0 STANDARD DEVIATION 5.2  
 MEDIAN SPEED (MPH) 59.3 85TH PERCENTILE SPEED (MPH) 64.7  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 82 60 MPH 44 65 MPH 13



TABLE 29

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL  
 STATION NUMBER 21-18 LOCATION U.S. 35 2.5 miles east of 169  
 NUMBER OF SESSIONS 1 DATES 10-2-78 VEHICLES MEASURED 583  
 AVERAGE SPEED (MPH) 56.2 STANDARD DEVIATION 5.8  
 MEDIAN SPEED (MPH) 56.5 85TH PERCENTILE SPEED (MPH) 61.2  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 62 60 MPH 21 65 MPH 4



TABLE 30

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY ---TWO-LANE, RURAL---  
 STATION NUMBER 21-54 LOCATION U.S. 231 1.1 miles south of S.R. 234  
 NUMBER OF SESSIONS 1 DATES 10-3-78 VEHICLES MEASURED 435  
 AVERAGE SPEED (MPH) 57.0 STANDARD DEVIATION 6.2  
 MEDIAN SPEED (MPH) 56.6 85TH PERCENTILE SPEED (MPH) 62.1  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH ---63.2--- 60 MPH ---26.8--- 65 MPH ---7.1---





TABLE 31--

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY --- TWO-LANE, RURAL ---  
 STATION NUMBER 21-11 LOCATION S.R. 59 1.5 miles south of I-70 ---  
 NUMBER OF SESSIONS 1 DATES 11-14-78 VEHICLES MEASURED 429 ---  
 AVERAGE SPEED (MPH) 57.1 STANDARD DEVIATION 6.3 ---  
 MEDIAN SPEED (MPH) 56.1 85TH PERCENTILE SPEED (MPH) 62.5 ---  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH --- 59. --- 60 MPH --- 26. --- 65 MPH --- 9. ---



TABLE 32

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY TWO-LANE, RURAL  
 STATION NUMBER 21-57 LOCATION S.R. 3 2.1 miles north of North Leg of S.R. 8  
 NUMBER OF SESSIONS 1 DATES 11-16-78 VEHICLES MEASURED 436  
 AVERAGE SPEED (MPH) 55.6 STANDARD DEVIATION 5.6  
 MEDIAN SPEED (MPH) 55.4 85TH PERCENTILE SPEED (MPH) 60.4  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 54 60 MPH 17 65 MPH 3



TABLE 33

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY INTERSTATE, URBAN  
 STATION NUMBER UI-6 LOCATION I-65 just east of White River  
 NUMBER OF SESSIONS 1 DATES 11-20-78 VEHICLES MEASURED 436  
 AVERAGE SPEED (MPH) 59.0 STANDARD DEVIATION 4.6  
 MEDIAN SPEED (MPH) 58.3 85TH PERCENTILE SPEED (MPH) 62.4  
 PERCENTAGE OF VEHICLES EXCEEDING:  
     55 MPH 80 60 MPH 32 65 MPH 9



TABLE 34

## SPEED MONITORING STATION SUMMARY

HIGHWAY CATEGORY	INTERSTATE, URBAN		
STATION NUMBER	UI-5	LOCATION	I-465 2.5 miles west of U.S. 31
NUMBER OF SESSIONS	1	DATES	11-20-78
	VEHICLES MEASURED 441		
AVERAGE SPEED (MPH)	58.8	STANDARD DEVIATION	4.5
MEDIAN SPEED (MPH)	58.5	85TH PERCENTILE SPEED (MPH)	62.5
PERCENTAGE OF VEHICLES EXCEEDING:			
55 MPH	80	60 MPH	35
		65 MPH	5







COVER DESIGN BY ALDO GIORGINI